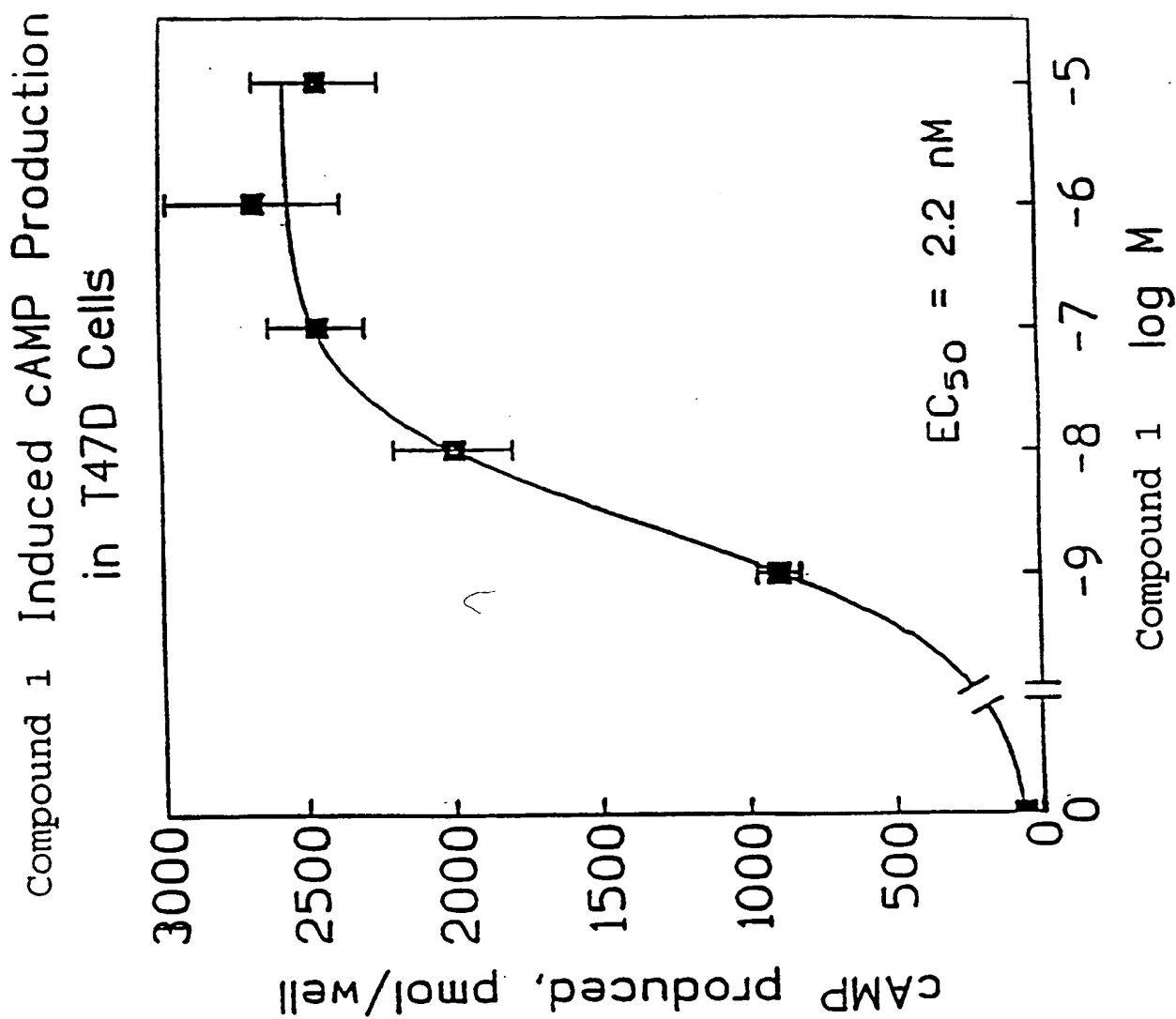


Figure 1



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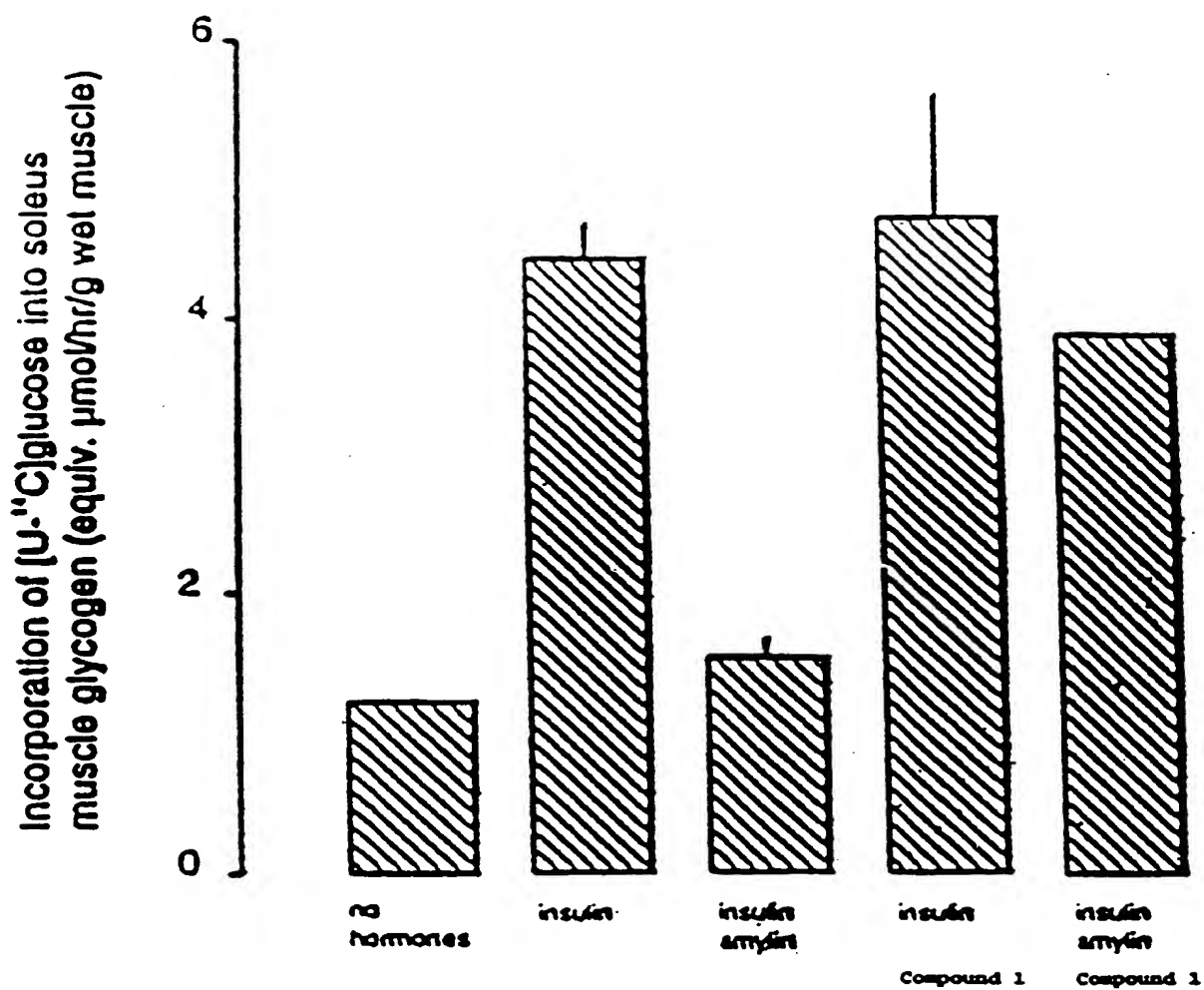


Figure 2A

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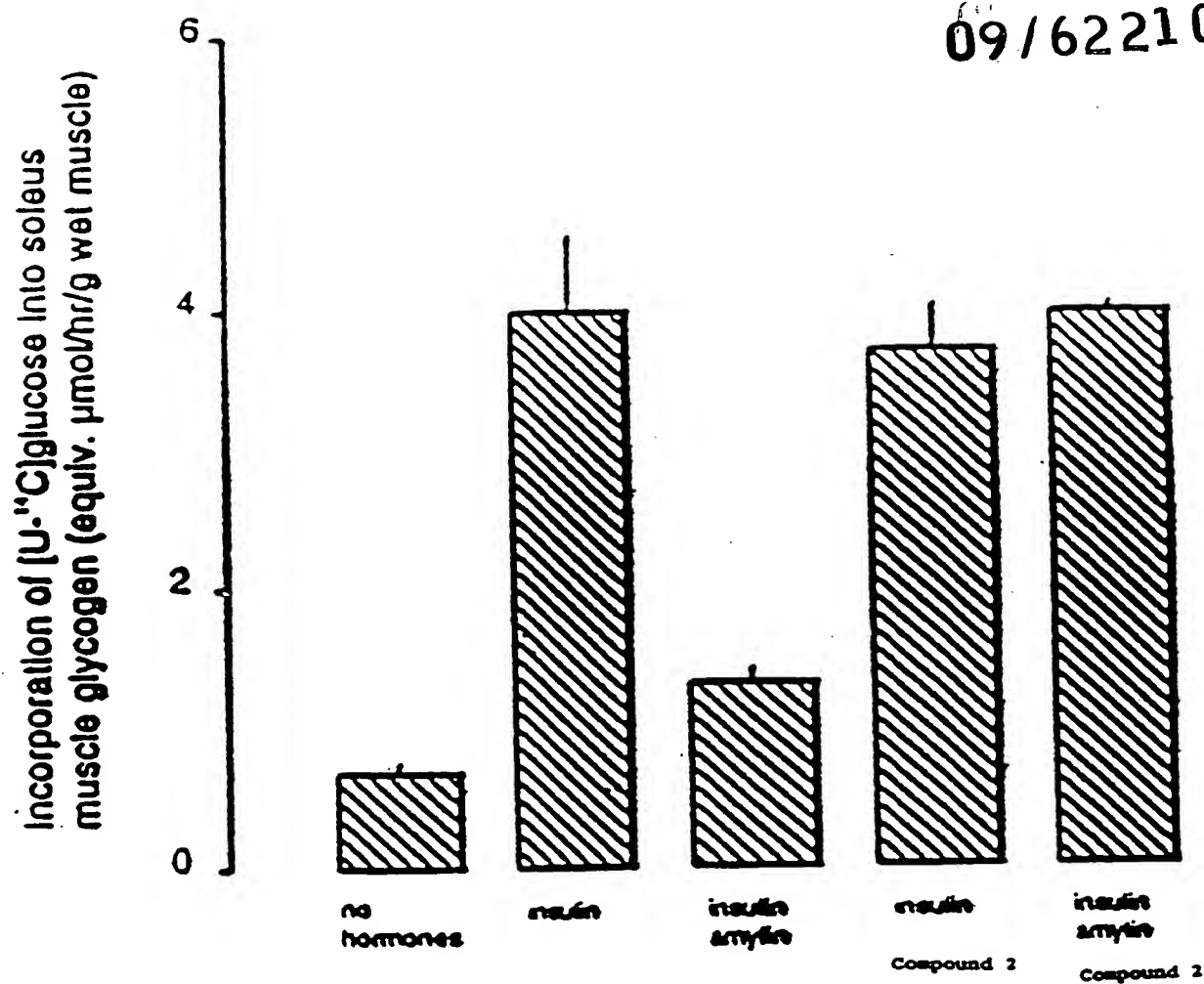


Figure 2B

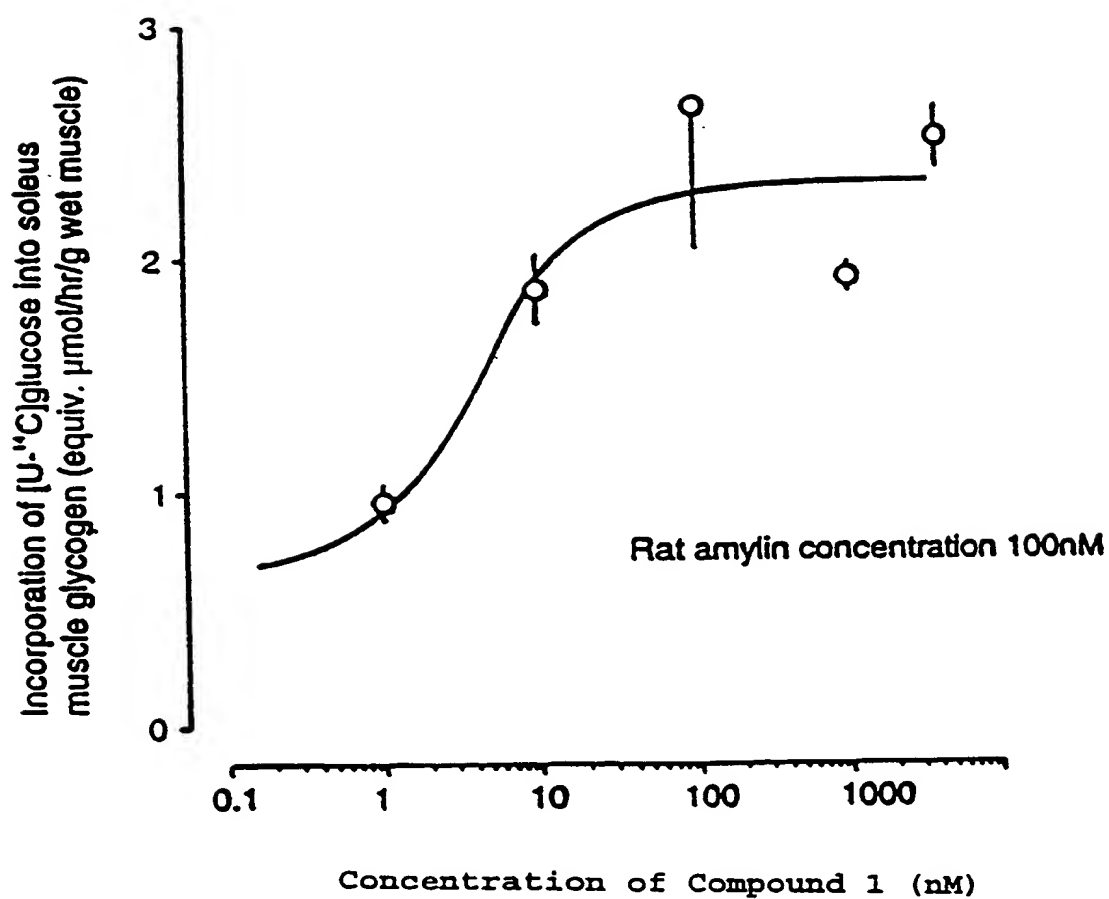


Figure 3

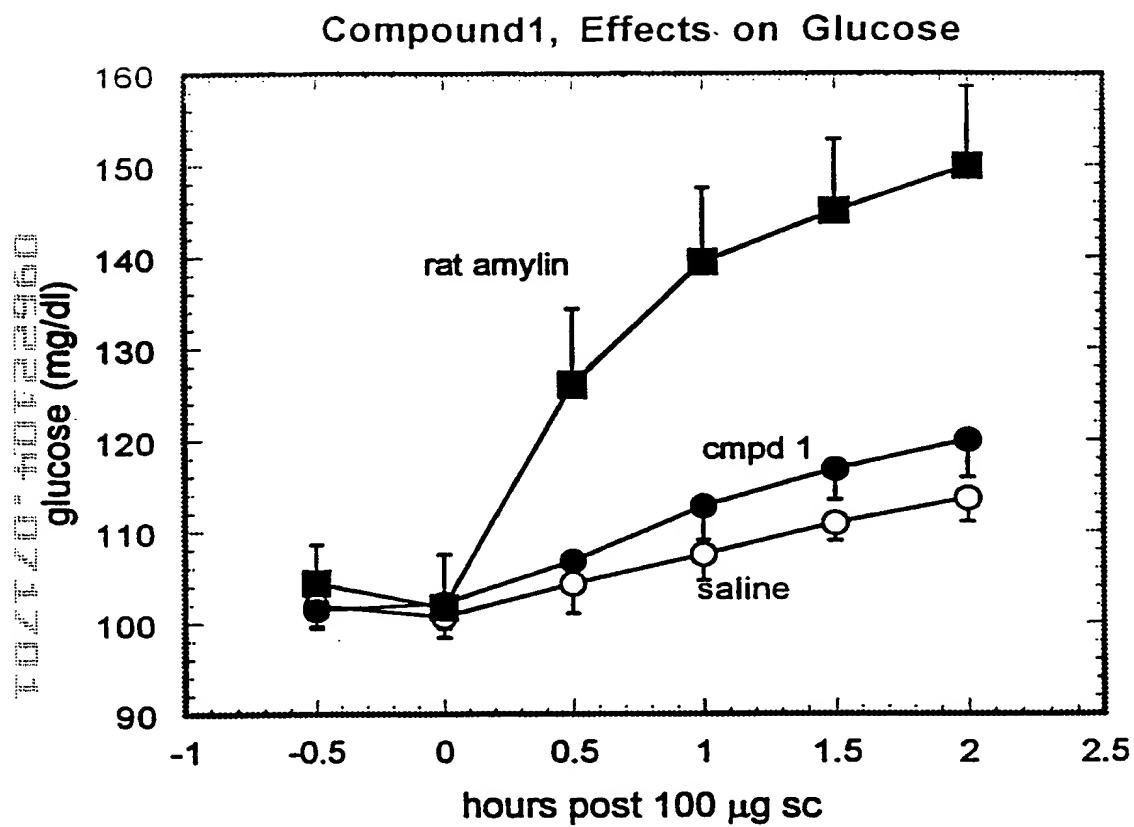


FIGURE 4A

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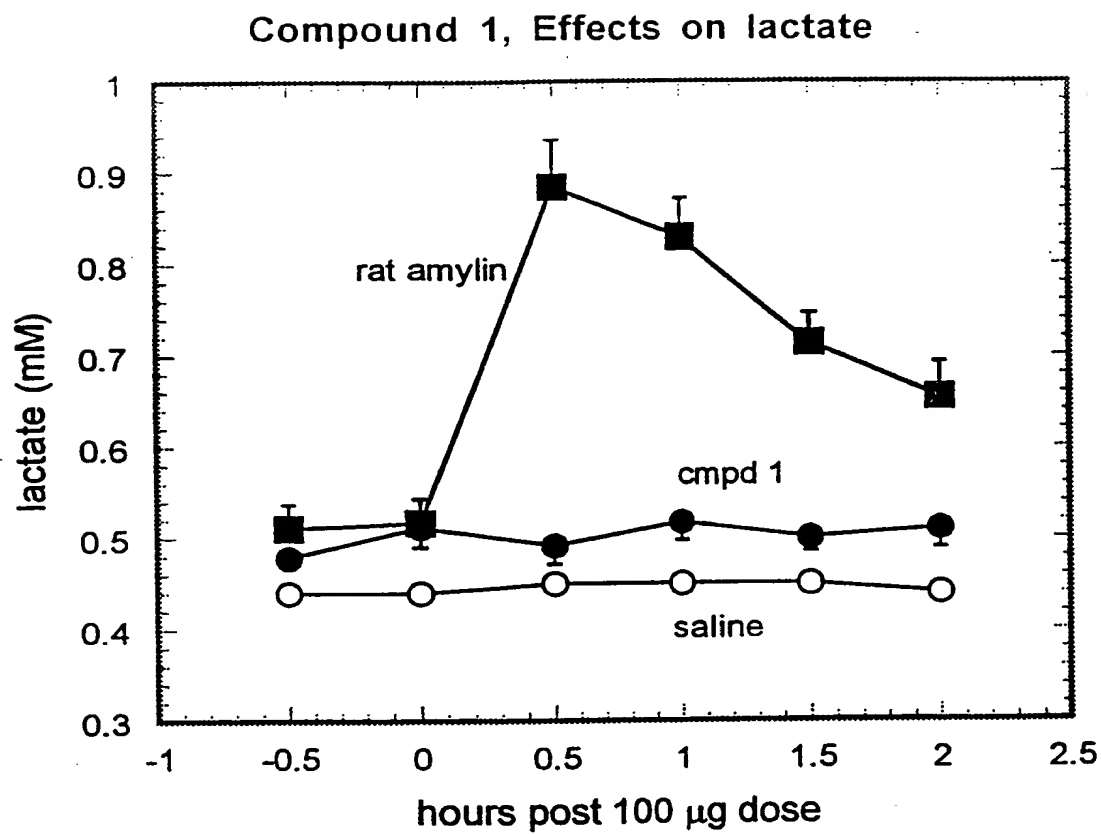


FIGURE 4B

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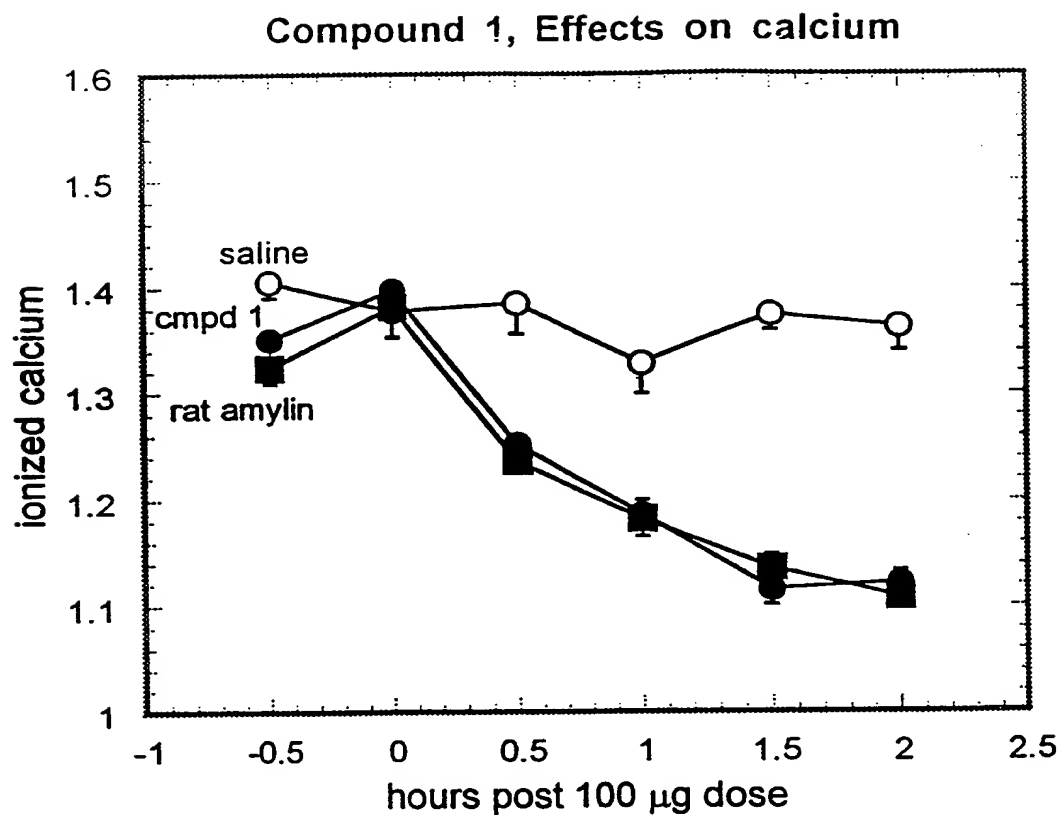


FIGURE 4C

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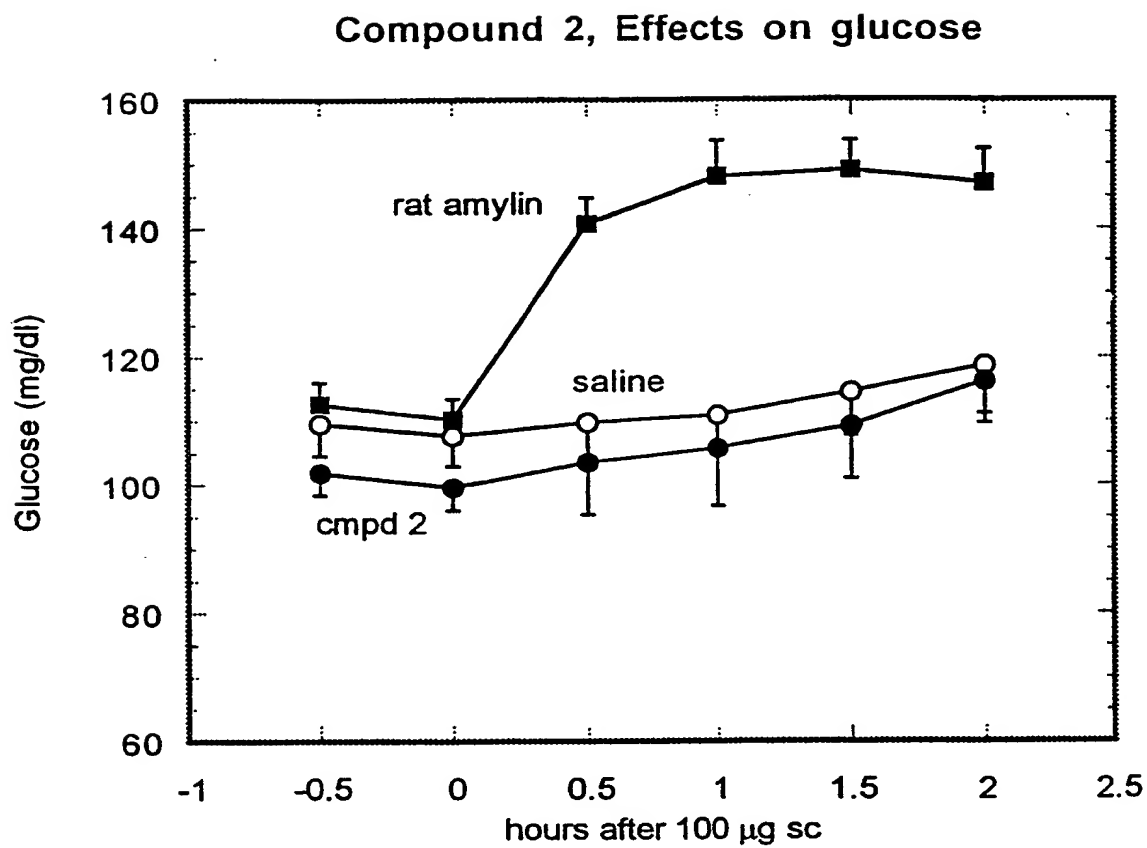


FIGURE 5A

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Compound 2, Effects on lactate

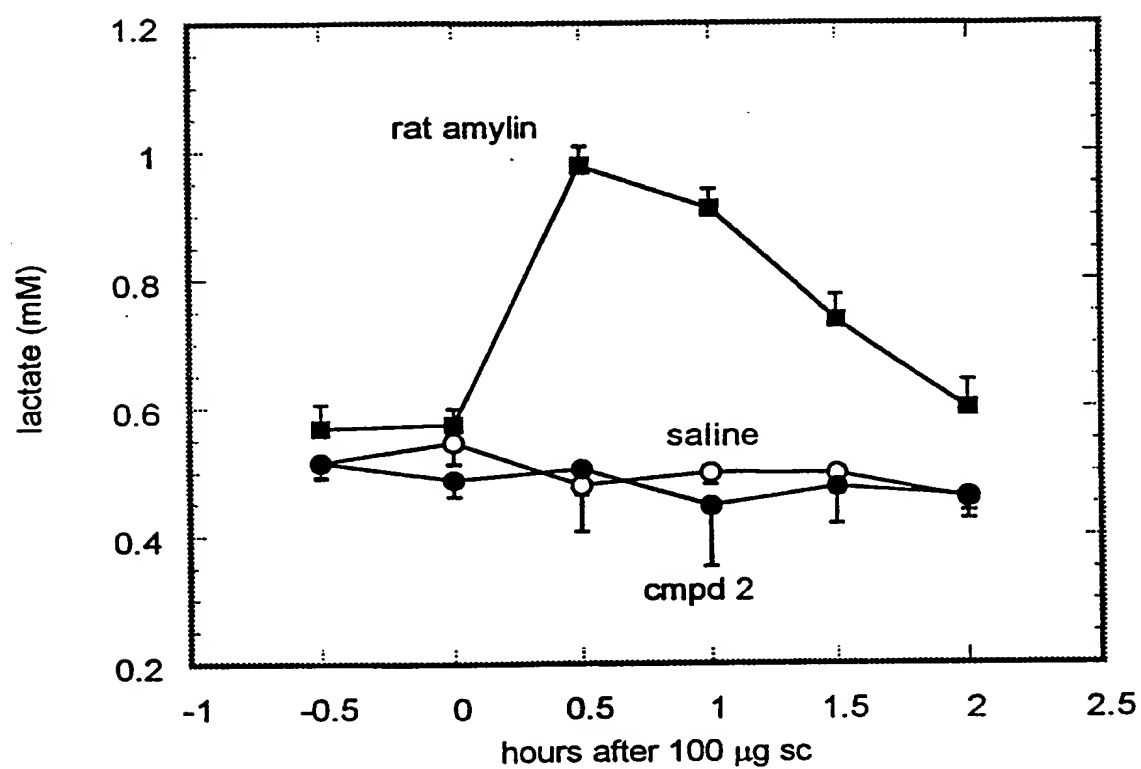


FIGURE 5B

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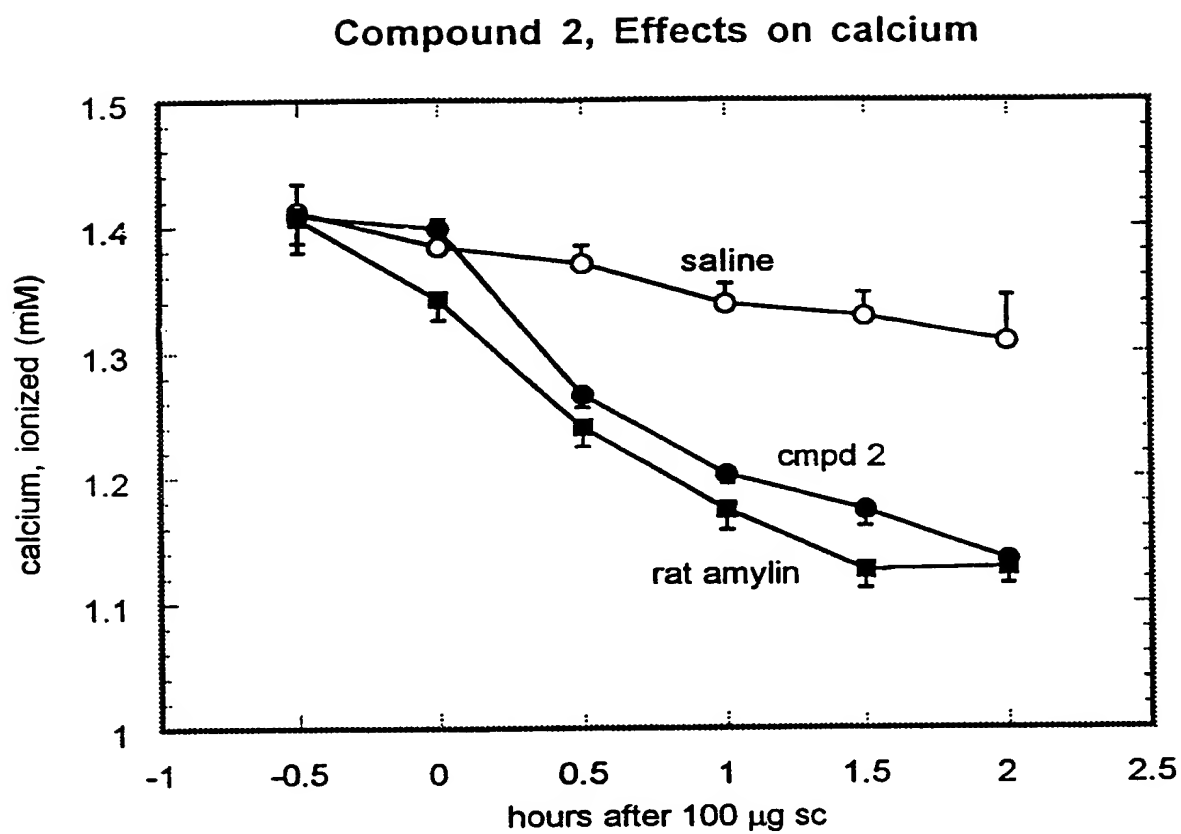


FIGURE 5C

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Antagonism of Rat Amylin Effects on Glucose

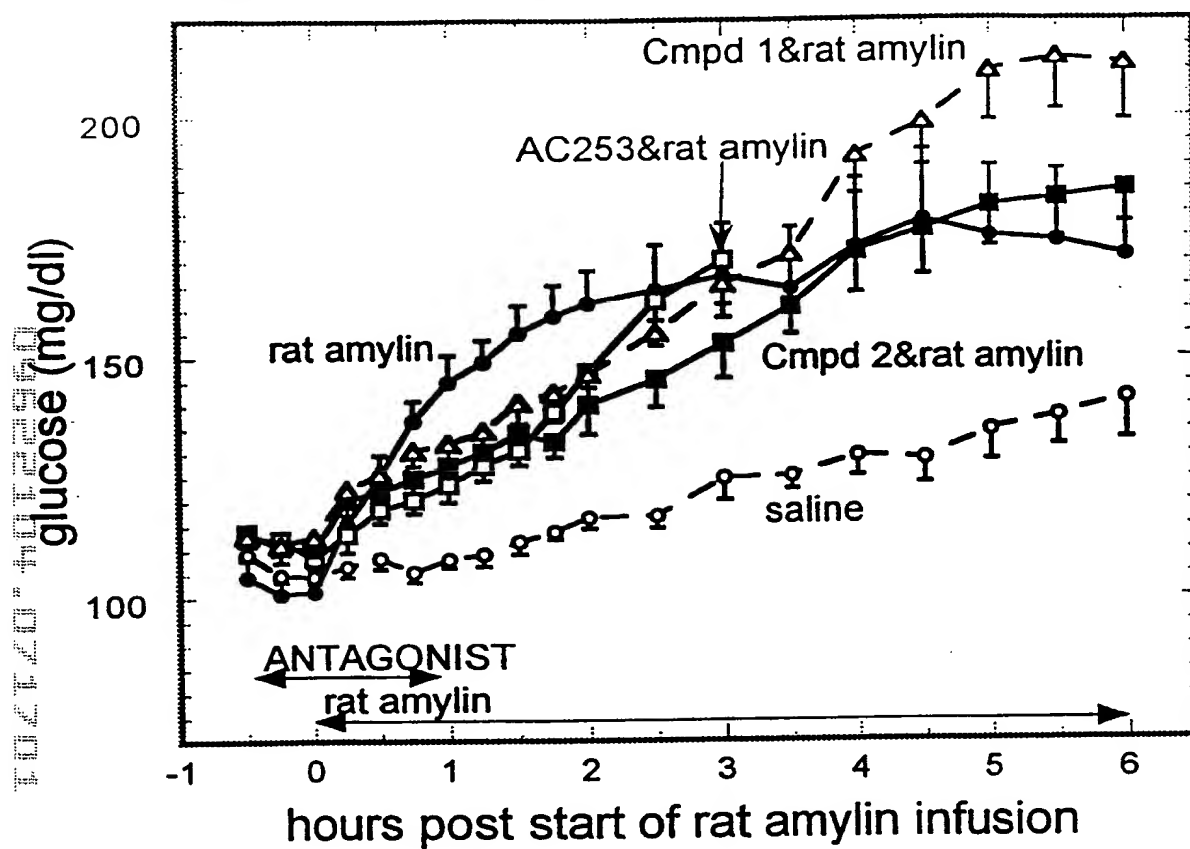


FIGURE 6A

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Antagonism of Rat Amylin Effects on Lactate

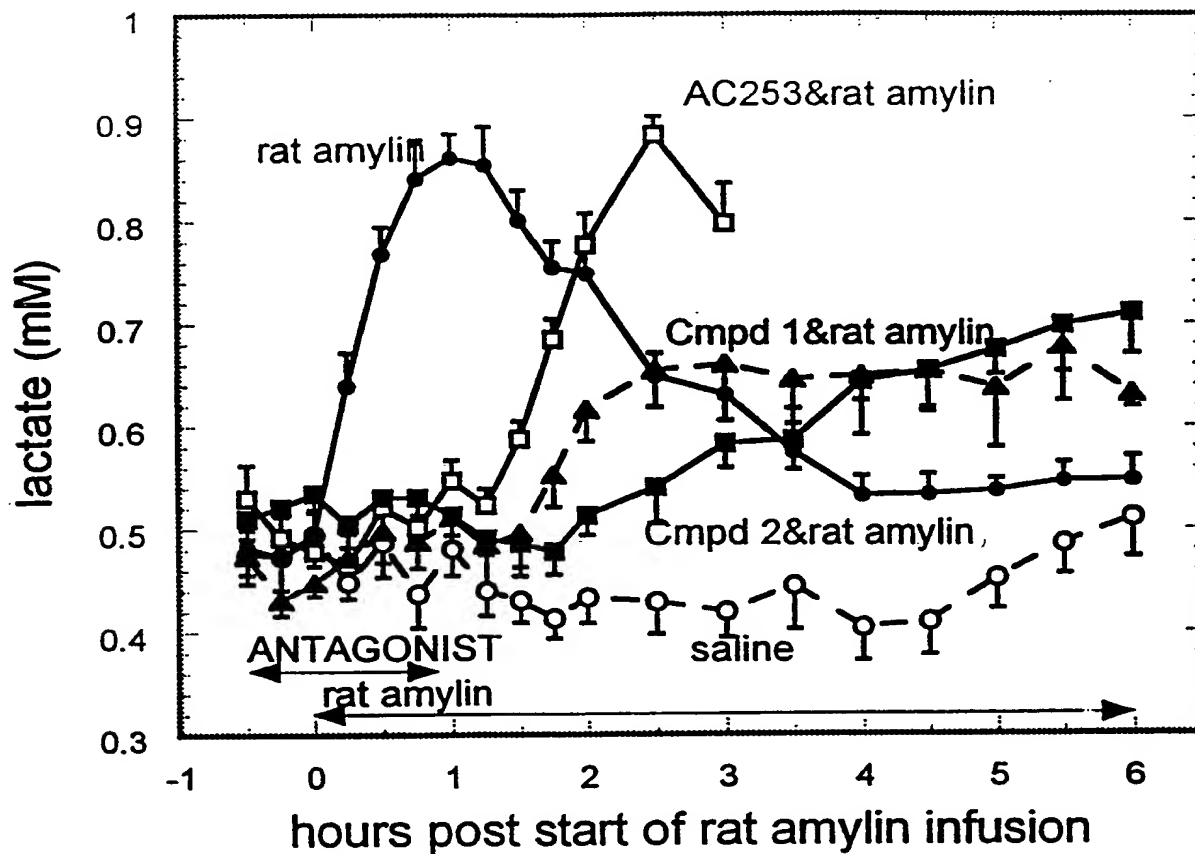


FIGURE 6B

Antagonism of Rat Amylin Effects on Calcium

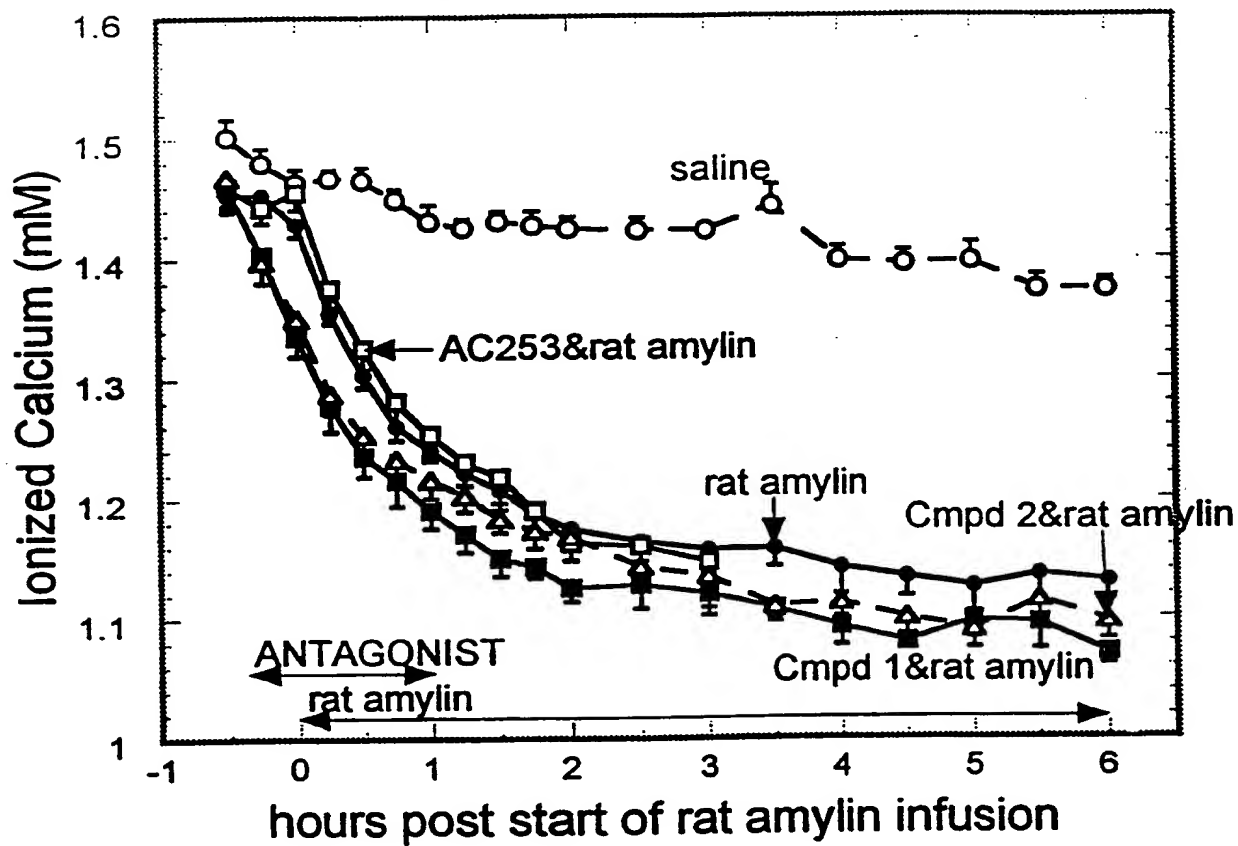


FIGURE 6C

Antagonism of Rat Amylin Effects on MAP

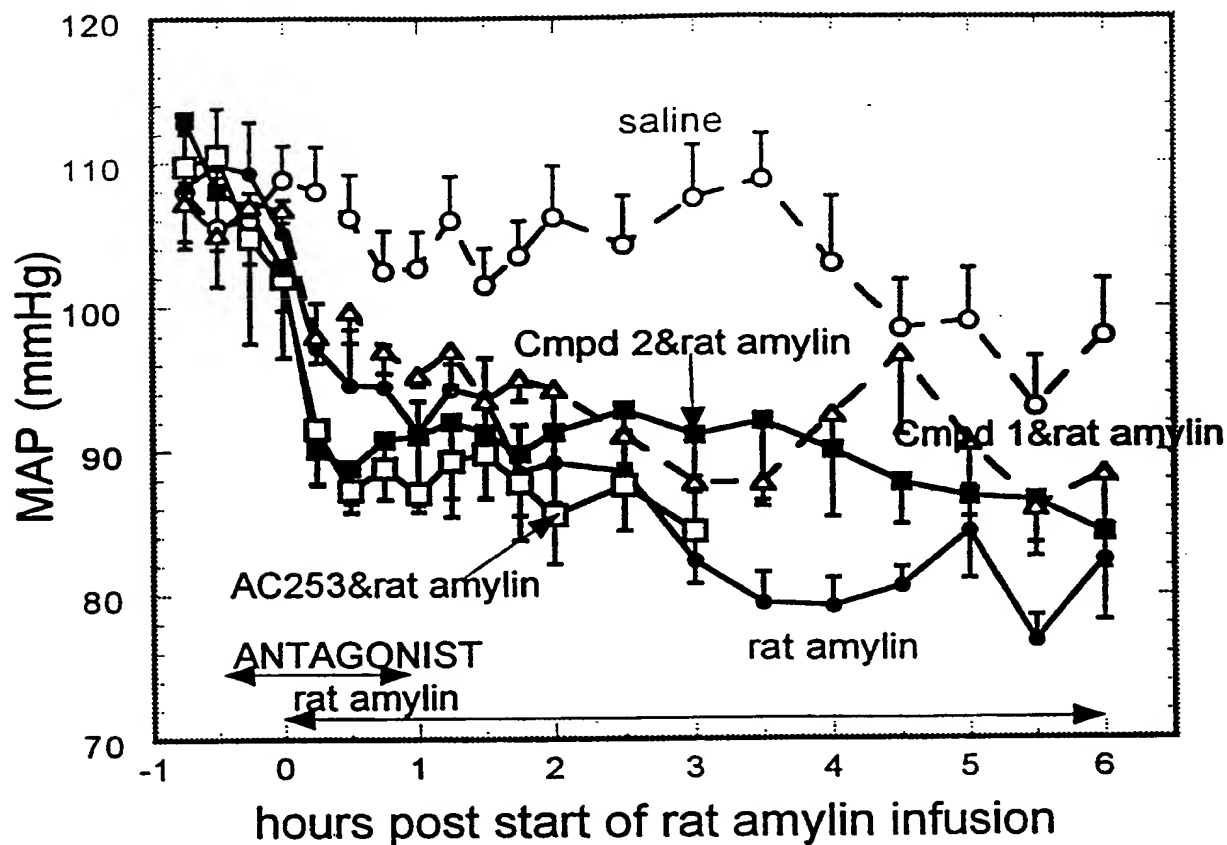


FIGURE 6D

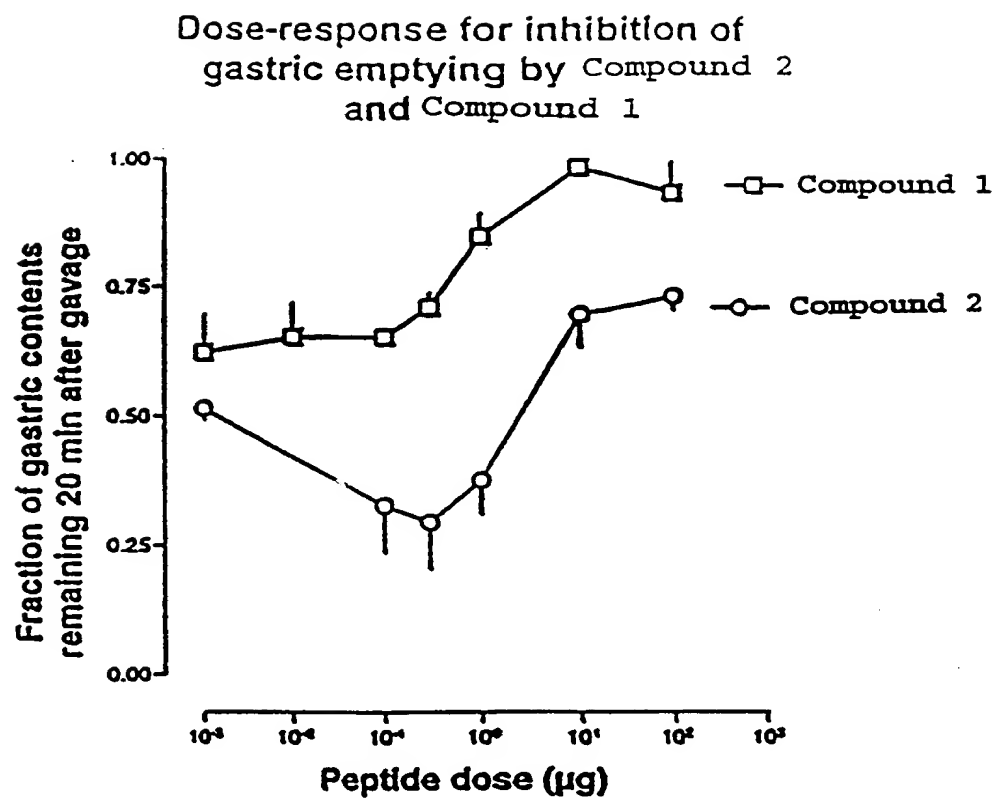


FIGURE 7

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FIGURE 8

Compounds of the formula: $X_1-X_2-X_3$ -Leu-Glu-Leu- X_4 - X_5 -Leu-Gln-Thr-Tyr-Pro-Arg-Thr-Asn- X_6 -NH₂

CPD. SEQ. ID. NO.	X_1	X_2	X_3	Leu	X_4	Glu	Leu	X_5	X_6	Leu	Gln	Thr	Tyr	Pro	Arg	Thr	Asn	X_6
1	Leu Ser Thr Cys Val Leu	Gly	Arg	Leu	Ser Gln	Glu	Leu	His	Arg	Leu	Gln	Thr	Tyr	Pro	Arg	Thr	Asn	Thr Tyr
2	4-methylpentanoyl Ser Thr Ala Val Leu	Aib	Lys (For)	Leu	Ser Gln	Glu	Leu	Aib	Lys (For)	Leu	Gln	Thr	Tyr	Pro	Arg	Thr	Asn	Thr Tyr
3	Ac- Leu Ser Thr Ser Val Leu	Gly	Arg	Leu	Ser Gln	Glu	Leu	His	Arg	Leu	Gln	Thr	Tyr	Pro	Arg	Thr	Asn	Thr Tyr
4	Leu Ser Thr Ala Val Leu	Gly	Arg	Leu	Ser Gln	Glu	Leu	His	Arg	Leu	Gln	Thr	Tyr	Pro	Arg	Thr	Asn	Thr Tyr
5	Leu Ser Thr Ser Val Leu	Gly	Arg	Leu	Ser Gln	Glu	Leu	His	Arg	Leu	Gln	Thr	Tyr	Pro	Arg	Thr	Asn	Thr Tyr
6	Ac- Leu Ser Thr Ala Val Leu	Gly	Arg	Leu	Ser Gln	Glu	Leu	His	Arg	Leu	Gln	Thr	Tyr	Pro	Arg	Thr	Asn	Thr Tyr
7	Ac- Leu Ser Thr Cys Val Leu	Gly	Arg	Leu	Ser Gln	Glu	Leu	His	Arg	Leu	Gln	Thr	Tyr	Pro	Arg	Thr	Asn	Thr Tyr
8	Val Leu	Aib	Lys (For)	Leu	Ser Gln	Glu	Leu	Aib	Lys (For)	Leu	Gln	Thr	Tyr	Pro	Arg	Thr	Asn	Thr Tyr
9	Ac-Val Leu	Aib	Lys (For)	Leu	Ser Gln	Glu	Leu	Aib	Lys (For)	Leu	Gln	Thr	Tyr	Pro	Arg	Thr	Asn	Thr Tyr
10	4-methylpentanoyl Ser Thr Ala Val Leu	Aib	Lys (For)	Leu	Ser Gln	Glu	Leu	Aib	Lys (For)	Leu	Gln	Thr	Tyr	Pro	Arg	Thr	Asn	Thr Tyr
11	4-methylpentanoyl Ser Thr Cys Val Leu	Aib	Lys (For)	Leu	Ser Gln	Glu	Leu	Aib	Lys (For)	Leu	Gln	Thr	Tyr	Pro	Arg	Thr	Asn	Thr Tyr
12	Ala Thr	Aib	Lys (For)	Leu	Ser Gln	Glu	Leu	Aib	Lys (For)	Leu	Gln	Thr	Tyr	Pro	Arg	Thr	Asn	Thr Tyr
13	(Ac-) Ala Thr	Aib	Lys (For)	Leu	Ala Asn	Glu	Leu	Aib	Lys (For)	Leu	Gln	Thr	Tyr	Pro	Arg	Thr	Asn	Thr Tyr

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FIGURE 9

Compounds of the formula: X₁-X₂-X₃-Leu-Glu-Leu-X₄-X₅-Leu-Gln-Thr-Tyr-Pro-Arg-Thr-Asn-X₆-NH₂

SEQ. ID. NO.	X ₁	X ₂	X ₃	Leu	X ₄	Gln Leu	X ₅	X ₆	Leu Gln Thr Tyr Pro Arg Thr Asn	X ₇	NH ₂
14	Leu Ser Thr Cys Val Leu	Gly	Lys	Leu	Ser Gln	Gln Leu	His	Lys	Leu Gln Thr Tyr Pro Arg Thr Asn	Thr Gly Ser Gly Thr Pro	NH ₂
15	Val Leu	Gly	Lys	Leu	Ser Gln	Gln Leu	His	Lys	Leu Gln Thr Tyr Pro Arg Thr Asn	Thr Gly Ser Gly Thr Pro	NH ₂
16	Val Leu	Gly	Lys	Leu	Ser Gln	Gln Leu	His	Lys	Leu Gln Thr Tyr Pro Arg Thr Asn	Thr Gly Ser Asn Thr Tyr	NH ₂
17	(ACHN) Val Leu	Gly	Lys	Leu	Ser Gln	Gln Leu	His	Lys	Leu Gln Thr Tyr Pro Arg Thr Asn	Thr Gly Ser Asn Thr Tyr	NH ₂
18	Ac- Leu Ser Thr Ala Val Leu	Gly	Lys	Leu	Ser Gln	Gln Leu	His	Lys	Leu Gln Thr Tyr Pro Arg Thr Asn	Thr Gly Ser Gly Thr Pro	NH ₂
19	Ac- Leu Ser Thr Ala Val Leu	Gly	Lys	Leu	Ser Gln	Gln Leu	Alb	Lys	Leu Gln Thr Tyr Pro Arg Thr Asn	Thr Gly Ser Gly Thr Pro	NH ₂
20	Isocaproyl-Ser Thr Ala Val Leu	Gly	Lys	Leu	Ser Gln	Gln Leu	His	Lys	Leu Gln Thr Tyr Pro Arg Thr Asn	Thr Gly Ser Gly Thr Pro	NH ₂
21	H Leu Ser Thr Ala Val Leu	Gly	Lys	Leu	Ser Gln	Gln Leu	His	Lys	Leu Gln Thr Tyr Pro Arg Thr Asn	Thr Gly Ser Gly Thr Pro	NH ₂
22	Adamantacetyl-Ser Thr Ala Val Leu	Gly	Lys	Leu	Ser Gln	Gln Leu	His	Lys	Leu Gln Thr Tyr Pro Arg Thr Asn	Thr Gly Ser Gly Thr Pro	NH ₂
23	CH ₃ CO Ser Thr Ala Val Leu	Gly	Lys	Leu	Ser Gln	Gln Leu	His	Lys	Leu Gln Thr Tyr Pro Arg Thr Asn	Thr Gly Ser Gly Thr Pro	NH ₂
24	Cyclohexylpropionyl-Ser Thr Ala Val Leu	Gly	Lys	Leu	Ser Gln	Gln Leu	His	Lys	Leu Gln Thr Tyr Pro Arg Thr Asn	Thr Gly Ser Gly Thr Pro	NH ₂
25	Cyclopentyl C(O)-Ser Thr Ala Val Leu	Gly	Lys	Leu	Ser Gln	Gln Leu	His	Lys	Leu Gln Thr Tyr Pro Arg Thr Asn	Thr Gly Ser Gly Thr Pro	NH ₂
26	Decanoyl-Ser Thr Ala Val Leu	Gly	Lys	Leu	Ser Gln	Gln Leu	His	Lys	Leu Gln Thr Tyr Pro Arg Thr Asn	Thr Gly Ser Gly Thr Pro	NH ₂